



# How to Repair a Broken Speaker Cable on a Harman Kardon CN-04N567-4822

Repair your computer speaker's truncated wires in this easy to follow 7-step guide.

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## INTRODUCTION

Sometimes the moving about of computer speakers leads to broken wires and the speakers will fail to work properly. This guide will show you how to repair a Harman Kardon CN-04N567-48220 external computer speaker.

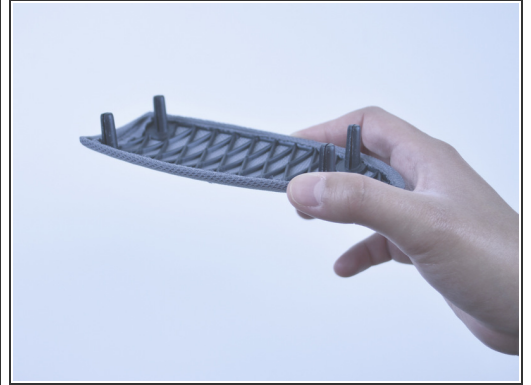
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### TOOLS:

- [Phillips #1 Screwdriver](#) (1)
  - [Soldering Station](#) (1)
  - [Solder](#) (1)
  - [Desoldering Braid](#) (1)
  - [Wire stripper/crimping tool](#) (1)
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## Step 1 — How to Repair a Broken Speaker Cable on a Harman Kardon CN-04N567-4822



- Use your fingers to pull the top of the speaker grill away from the speaker enclosure.
- Pull the bottom of the grill away from the speaker enclosure and then completely remove the grill.
- ⓘ Four posts attach the grill assembly to the front of speaker enclosure. These posts are located on the back side of the grill assembly.

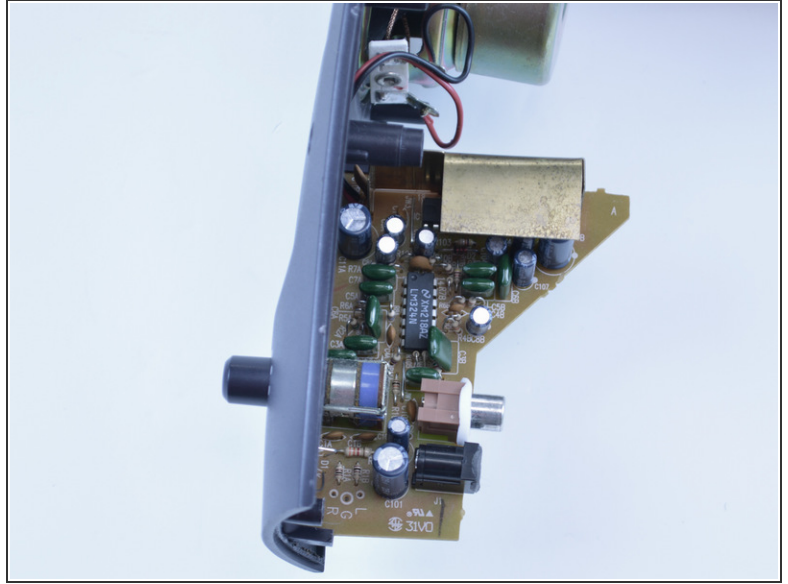
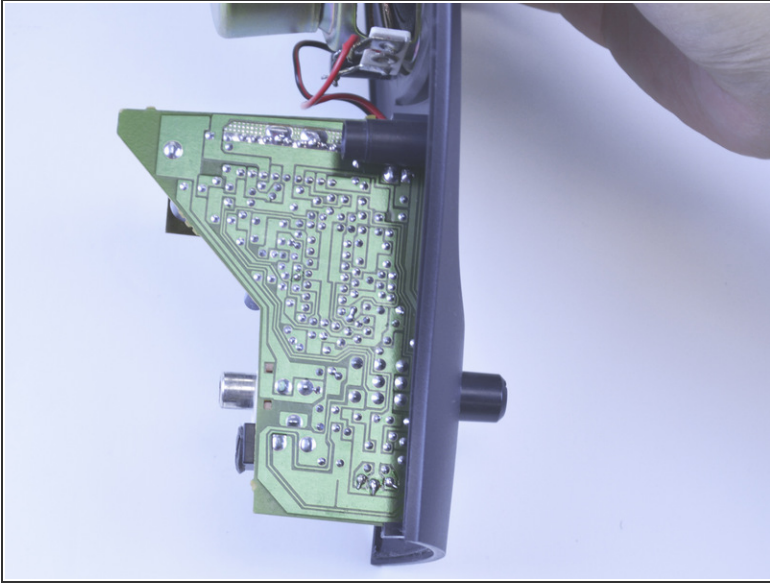
## Step 2



- Remove the top two 9.5 mm Phillips #1 screws from the speaker.
- Remove the two 9.5 mm Phillips #1 screws located below the speaker screws.
- Slowly work your way around the seam until the two parts of the enclosure are free.
- ① More speaker cable slack may be achieved by pulling additional cable through the rear of the case.

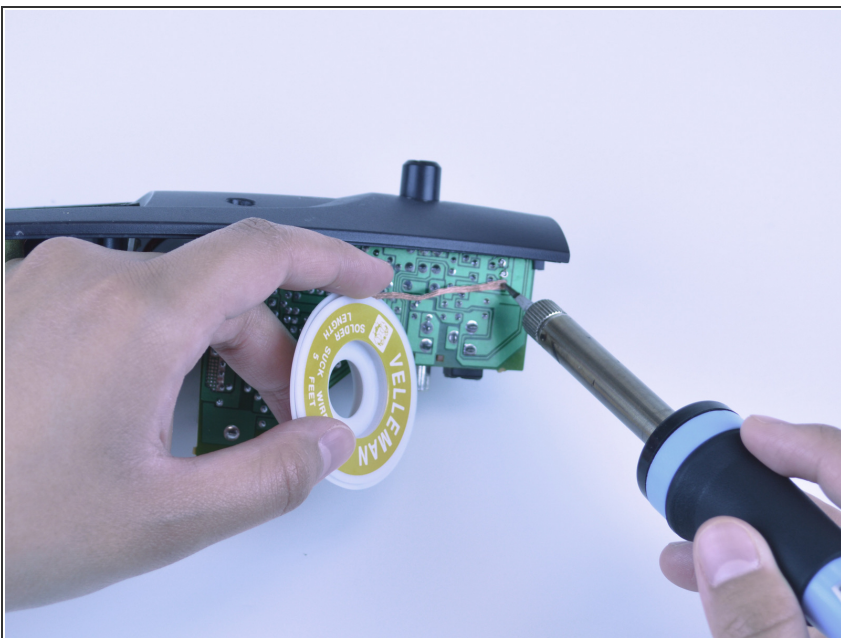


### Step 3



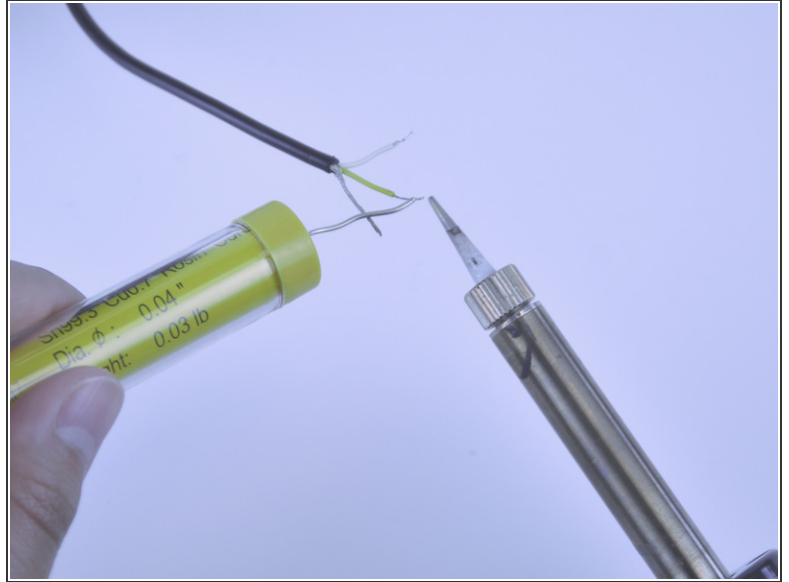
- Inspect both sides of the printed circuit board (PCB) for any raised traces, off-colored areas, or loose components.
- ⓘ This step is to avoid making a mechanical repair (re-soldering the wires to the PCB) on a piece of equipment that also has obvious electrical or mechanical issues.

### Step 4



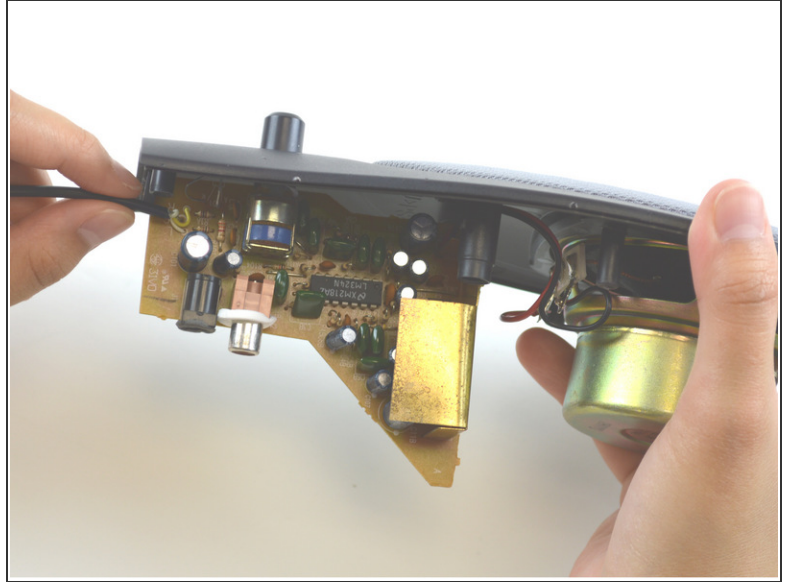
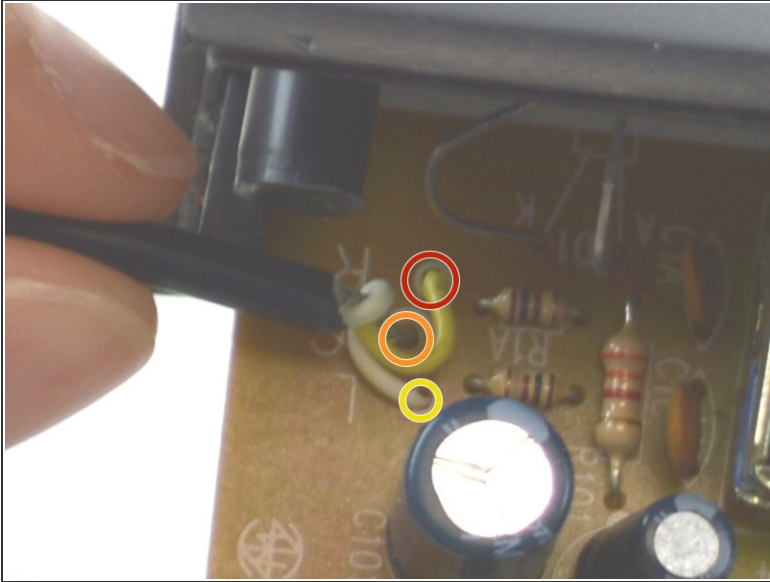
- Use desoldering braid and a soldering iron to wick away the old solder and wire remnants from the solder pads and through-holes.
- ⓘ Do not leave solder bridges across the pads as this will cause functional issues.

## Step 5



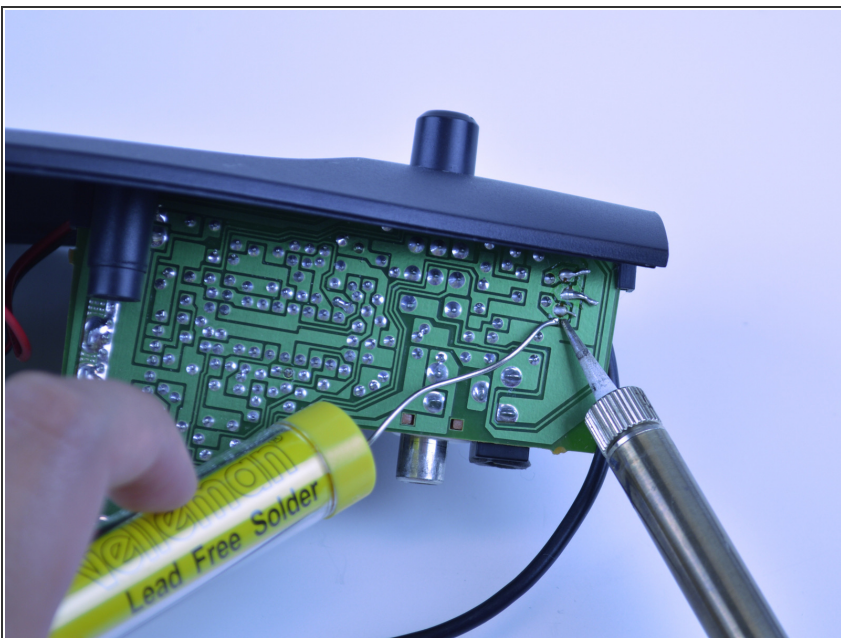
- Use wire strippers to remove a small section of insulation from the wires.
- Use a soldering iron and solder to tin the wires. This prevents the strands from fraying.

## Step 6



- Insert the yellow wire into the through-hole marked "R".
- Insert the bare ground wire into the through-hole marked "G".
- Insert the white wire into the through-hole marked "L".

## Step 7



- Use the soldering iron to flow solder between each wire and its solder pad.



## Step 8



- Reassemble the two parts of the enclosure making sure that the PCB-mounted audio jacks are lined up with the mating holes of the rear enclosure.
- ⓘ Route the cable inside the enclosure to avoid stressing the solder joints.

To reassemble your device, follow these instructions in reverse order.

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